

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

(Case No. 01-109)

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JUL 17 2001

Technology Center 2600

IN THE APPLICATION OF:

Tian et al.

Serial No. 09/821,409

Filed: March 29, 2001

Title System And Method For DTMF  
Detection Using Likelihood Ratios

Examiner: To be Assigned

Group Art Unit: 2152

Confirmation No.: 3681

BOX DD

Commissioner for Patents

Washington, D.C. 20231

Sir:

TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached:

- a. Information Disclosure Statement;
- b. Form PTO-1449;
- c. Copy of IDS Citations 09/821,409 (4 references);
- d. Return Receipt Postcard.

2. With respect to additional fees:

☒ No additional fee is required.

3. Please charge any additional fees or credit overpayment to Deposit Account No.13-2490.  
A duplicate copy of this sheet is enclosed.

4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Box DD, Washington, D.C. 20231 on this 2<sup>nd</sup> day of July, 2001.

By :

Timothy R. Baumann

Reg. No. 40,502

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(Case No. 01-109)

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Tian et al.

JUL 17 2001

TO 3600 MAIL ROOM

Serial No. 09/821,409

Technology Center 2600

Examiner:

To be Assigned

Filed: March 29, 2001

Group Art Unit:

2152

Title System And Method For DTMF

Confirmation No.:

3681

Detection Using Likelihood Ratios

INFORMATION DISCLOSURE STATEMENT

BOX DD

Commissioner for Patents

Washington, D.C. 20231-9999

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective



dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103,  
nor is this submission to be construed as a representation that a search has been made.

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CITED REFERENCES

**U.S. Patent Documents**

Document Number	Date	Name	Class	Sub Class	Filing Date of App.
4,689,760	08/25/1987	Lee et al.	370	110.3	11/09/1984
4,853,958	08/01/1989	Rabipour et al.	379	386	06/02/1988
5,459,784	10/17/1995	Forrest F. Tzeng	379	386	09/28/1992

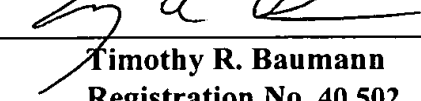
**Other Documents**

1. Gunter Schmer, "DTMF Tone Generation And Detection: An Implementation Using The TMS320C54x", Texas Instruments, May 2000, pages 1-19.

Respectfully submitted,

**McDonnell Boehnen Hulbert & Berghoff**

Date: 7/2/01

By:   
**Timothy R. Baumann**  
**Registration No. 40,502**



Form PTO-1449 (modified)

Atty. Docket No.  
01-109Serial No.  
09/821,409

List of Patents and Publications for Applicant's

Applicant

INFORMATION DISCLOSURE STATEMENT

Tian et al.

(Use several sheets if necessary)

Filing Date:  
March 29, 2001Group:  
To be AssignedU.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 2Other App.  
See Page 2

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103600 MAIL ROOM

## U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,689,760	08/25/1987	Lee et al.	370	110.3	11/09/1984
	A2	4,853,958	08/01/1989	Rabipour et al.	379	386	06/02/1988
	A3	5,459,784	10/17/1995	Forrest F. Tzeng	379	386	09/28/1992
	A4						
	A5						
	A6						
	A7						
	A8						
	A9						
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EXAMINER:

DATE CONSIDERED:

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)

Form PTO-1449 (modified)

Atty. Docket No.  
01-109Serial No.  
09/821,409

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Technology Center 2600

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Applicant

Tian et al.

Filing Date:  
March 29, 2001Group:  
To be Assigned

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

U.S. Patent Documents  
See Page 1Foreign Patent Documents  
See Page 2Other Art  
See Page 2

## Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						
	B4						
	B5						

## Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Gunter Schmer, "DTMF Tone Generation And Detection: An Implementation Using The TMS320C54x", Texas Instruments, May 2000, pages 1-19.
	C2	
	C3	
	C4	
	C5	
	C6	
	C7	
	C8	
	C9	
	C10	
	C11	
	C12	
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	C14	
	C15	

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